



# Hunters Point Radiological Program Update

Hunters Point Naval Shipyard  
BCT Meeting  
March 29, 2012



# Overview



## Radiological Project Work Overview

- Current Project Map
- SS/SD Removal and Building Survey Update
  - Crisp Rd.
  - Parcel C
  - Parcel E 500-Series
  - Parcel D-1
- Status of Radiological RACRs
- IR 7/18 Update



# 2012 Radiological Projects





## Crisp Road/Parcel E Building and Site Surveys



Building 414

- CDPH collected confirmation samples on October 25. Awaiting free release determination following lab analysis

Site 701

- CDPH collected confirmation samples on October 25. Awaiting free release determination following lab analysis

Site 704

- CDPH collected confirmation samples on October 25. Awaiting free release determination following lab analysis

IR-04 & Site 807

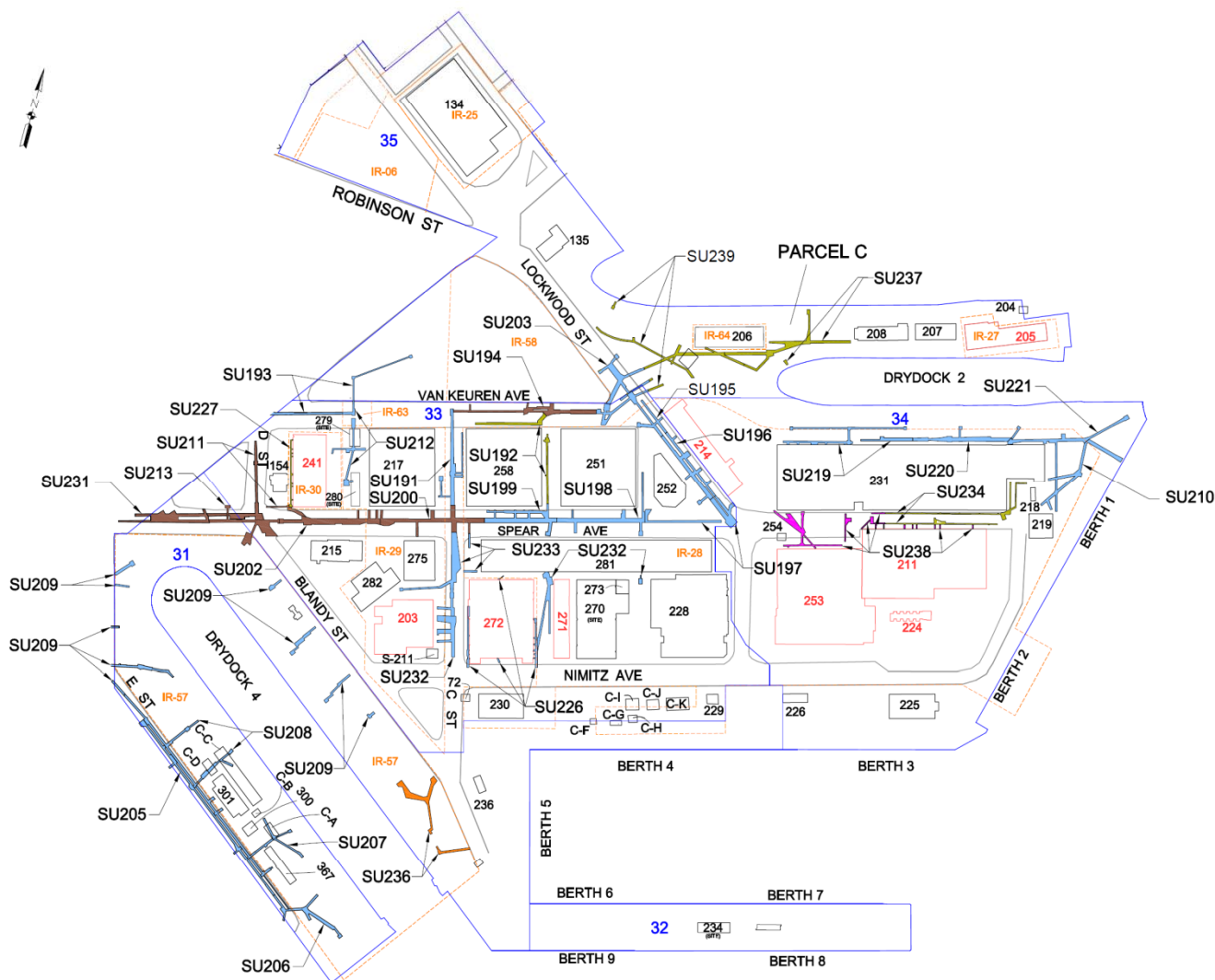
- Final submitted February 10. Confirmation samples to be requested by CDPH.

UC-3 (Crisp Rd.)  
Radiological RACR

- Final submitted March 16.



# Parcel C Storm Drain & Sewer Removals



## LEGEND

- SU 191 - SURVEY UNIT (SU)
- 34 - WORK AREA BOUNDARY AND NUMBER
- IR-27 - IR BOUNDARY AND NUMBER
- 140 - IMPACTED BUILDING BUILDING NUMBER
- 142 (SITE) - IMPACTED BUILDING FORMER BUILDING LOCATION
- 128 - NON-IMPACTED BUILDING BUILDING NUMBER
- ACTIVE TRENCH UNITS (QTY = 1)
- TRENCH UNITS THAT HAVE PASSED SYSTEMATIC SAMPLING BUT WAITING FOR OFFSITE (QTY = 1)
- TRENCH UNITS THAT HAVE PASSED OFFSITE AND SYSTEMATIC SAMPLING BUT WAITING FOR BACKFILL APPROVAL (QTY = 0)
- APPROVED FOR BACKFILL (QTY = 5)
- BACKFILLED/PAVED (QTY = 21)
- CURRENTLY BACKFILLING/PERFORMING COMPACTION/READY TO BE PAVED (QTY = 6)



## Parcel C Storm Drain & Sewer Removals



- SS/SD line removal commenced in Parcel C on January 4, 2011
  - Excavated soil and pipe removal through March 15, 2012:
    - 21,576 linear feet of SS/SD lines removed
      - 62% of the total 34,866 lf of Parcel C removed to date
    - 35,967 cubic yards excavated
    - 21 of 34 active Survey Units have been restored/repaved



## Parcel C Building and Site Surveys



Building 214

- Final FSS submitted November 2. No confirmation survey. Awaiting free release letter.

Building 271

- Final issued March 23. CDPH to schedule confirmation surveys.

North Pier

- Surveys ongoing, scan survey complete

Building 272

- Final issued March 21. CDPH to schedule confirmation surveys.

Buildings 203

- Awaiting CDPH comments.

Building 241

- Awaiting CDPH comments.





## Parcel C & E Buildings/Sites Status

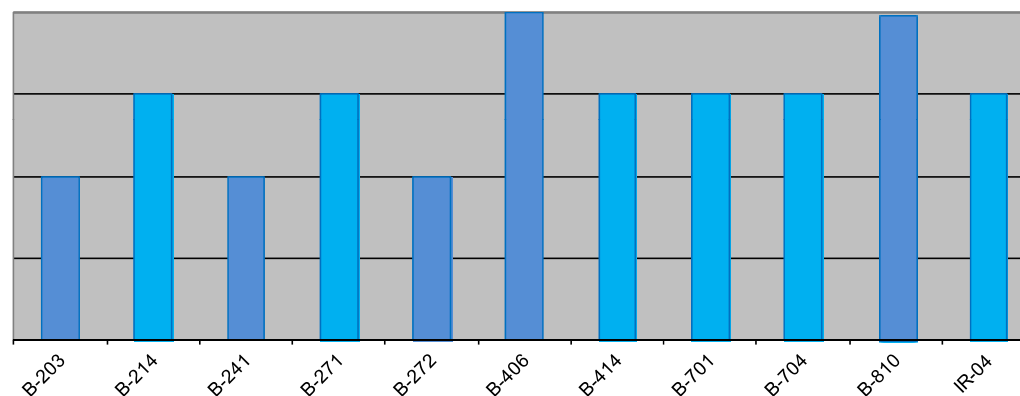


Free-Released

Final

Draft

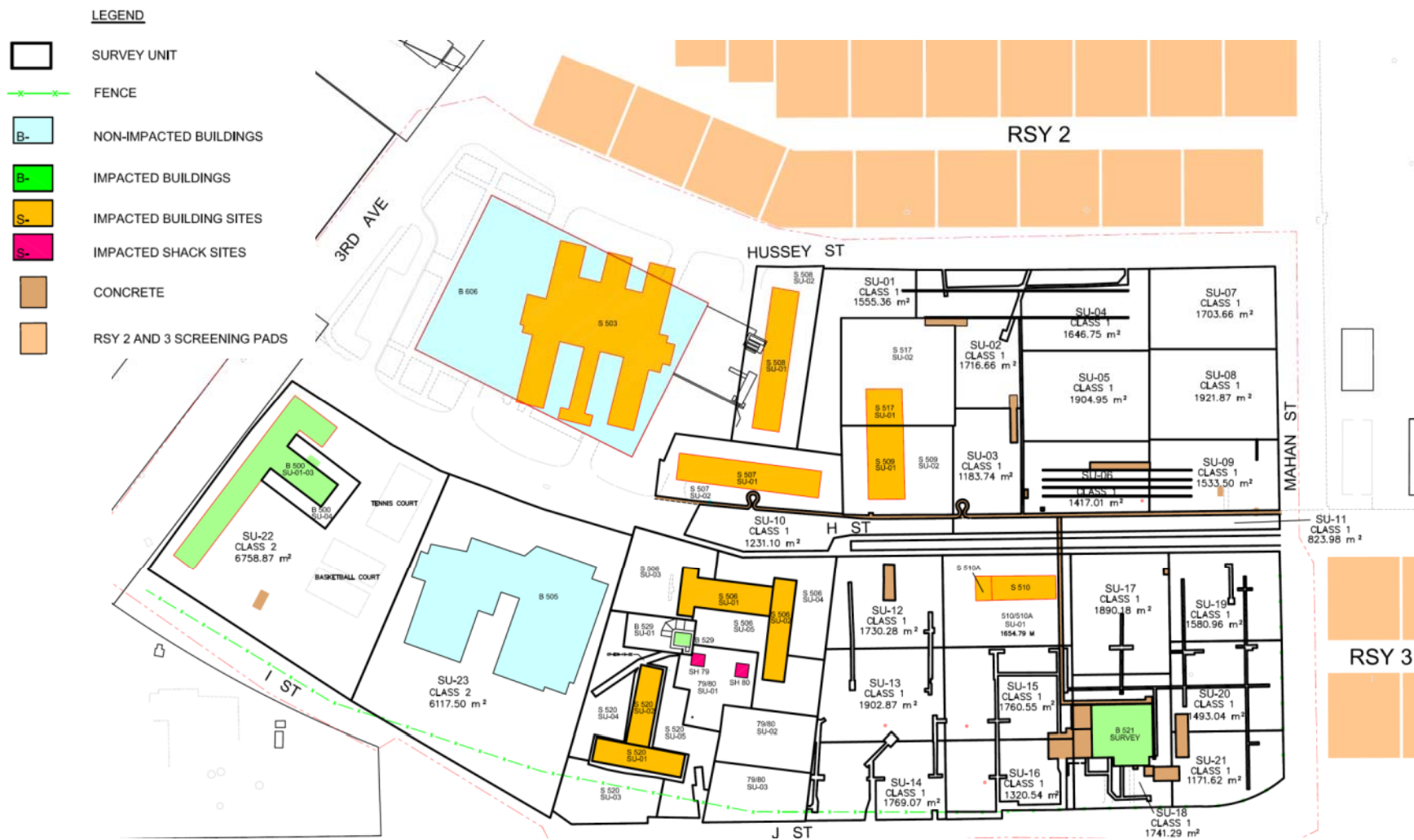
Internal Draft  
(Data under review)



Waiting for concurrence for  
Free-Release determination









## Parcel E 500 Series Building / Site Surveys



- Field Work complete! Drafting FSS reports for the following:
  - Building 500: Internal Draft FSS under Navy review.
  - Building 503 site: Internal Draft FSS under Navy review.
  - Building 509 site: Internal Draft FSS in development.
  - Building 510/510A site: Internal Draft FSS in development.
  - Building 521: Internal Draft FSS under Navy review.
  - Building 529 site: Internal Draft FSS in development.



## Parcel E 500 Series Building / Site Surveys



- Field Work (continued)
  - Building 520 Site: 80% complete scanning and sampling
  - Building 517 Site: 50% complete scanning and sampling
  - 500 Series Area: 26% complete scanning and sampling
  - Building 506 Site: Awaiting off-site analytical results.
  - Shacks 79/80 Site: characterization and remediation ongoing





# Former Building 506 Waste Storage Vault



Excavation in Location of Former Building 506 Waste Storage Vault



Scanning of Removed Piping



Stockpile of Soil Removed

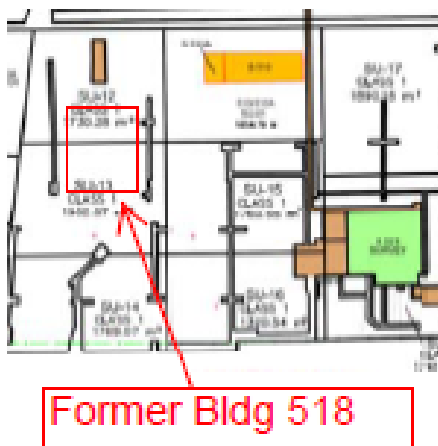


Completed Excavation





# Former Building 518 – Movie Theater



Former Building 518 Site in SUs 12 and 13



Former Building 518 Site Prior to Excavation of Sandy Fill Material



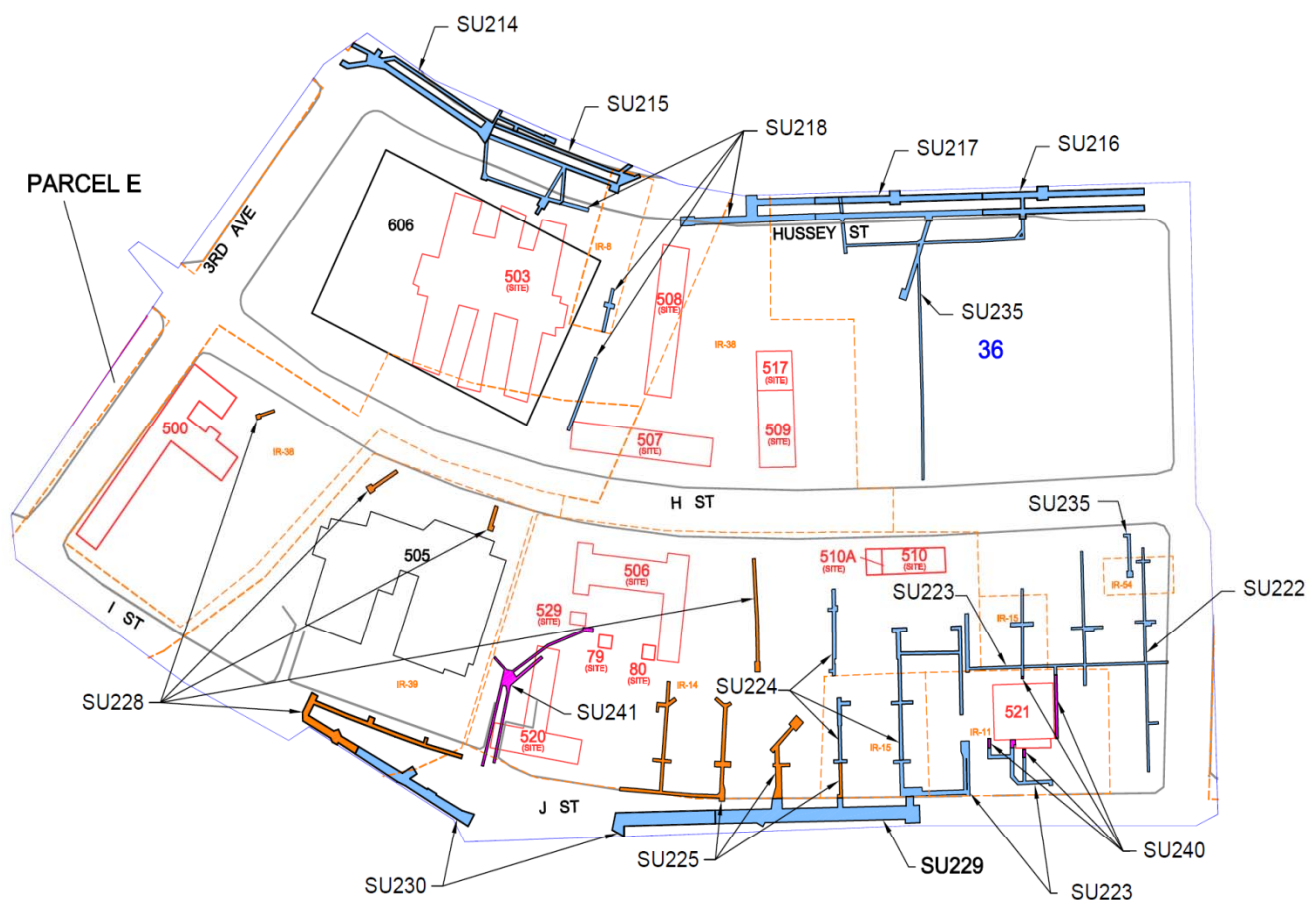
Removal of Sandy Material for Transfer to RSY4 for Radiological Clearance



Concrete Foundation of Former Building 518



# Parcel E Storm Drain & Sewer Removals



## LEGEND

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- 140 - IMPACTED BUILDING BUILDING NUMBER
- 142 (SITE) - IMPACTED BUILDING FORMER BUILDING LOCATION
- 128 - NON-IMPACTED BUILDING BUILDING NUMBER
- ACTIVE SURVEY UNITS (QTY = 2)
- SURVEY UNITS THAT HAVE PASSED SYSTEMATIC SAMPLING BUT WAITING FOR OFFSITE (QTY = 2)
- SURVEY UNITS THAT HAVE PASSED OFFSITE AND SYSTEMATIC SAMPLING BUT WAITING FOR BACKFILL APPROVAL (QTY = 0)
- APPROVED FOR BACKFILL (QTY = 0)
- BACKFILLED/PAVED (QTY = 11)
- CURRENTLY BACKFILLING/PERFORMING COMPACTION (QTY = 0)



## Parcel E 500 Series Storm Drain & Sewer Removals



- SS/SD line removal commenced in Parcel E 500 Series on July 12, 2011
  - Excavated soil and pipe removal through March 15, 2012:
    - 9,637 linear feet of SS/SD lines removed (500 Series only)
      - 29% of the 58,000 LF of Parcel E SS/SD lines removed to date
    - 21,054 cubic yards excavated
    - 11 of 15 Active survey units have been restored





## Parcel D-1 Current Field Work Status



- Gun Mole Pier
  - Contractor internally reviewing gamma walk over data
    - Gamma spectroscopy data accepted for 70 of 74 survey units
  - Continue remediating 4 impacted SUs for Cesium-137
  - Additional work to commence early April 2012
    - Subsurface vault and utility corridor sediment sampling
    - Removal of concrete pads and structures
- South Pier
  - Contractor internally reviewing gamma walk over data
    - Gamma spectroscopy data accepted for 14 of 14 survey units
  - Additional work to commence early April 2012
    - Subsurface vault and utility corridor sediment sampling
    - Removal of concrete pads and structures



## Parcel D-1 Current Field Work Status



- Building 274
  - Developing internal draft FSS Report. Due out May 4, 2012.
  - Sewer line removal complete (SU-256). Sampling of survey unit ongoing.
- Building 383 Area
  - Removal of concrete footer foundation to begin in April 2012. Survey of exposed soil to follow.
  - Remaining 383 area previously surveyed and sampled
- Building 313,313A & 322 sites - Surveyed and Sampled
  - Developing internal draft FSS Report. Due out April 27, 2012



## Parcel D-1 Current Field Work Status



- Storm Drain and Sanitary Sewer Removal
  - 99% complete (1 Survey Unit remains to excavate)
    - Final SU on-going (Building 274)
  - Completed trench backfill on 29 SUs (85% overall complete)
  - Continue to remediate SU 265 and 254 for Radium-226 and Thorium-232
  - Continue to prepare Draft SUPR Packages for submittal to Regulators
    - Three packages submitted to date (#101, 102, 103)



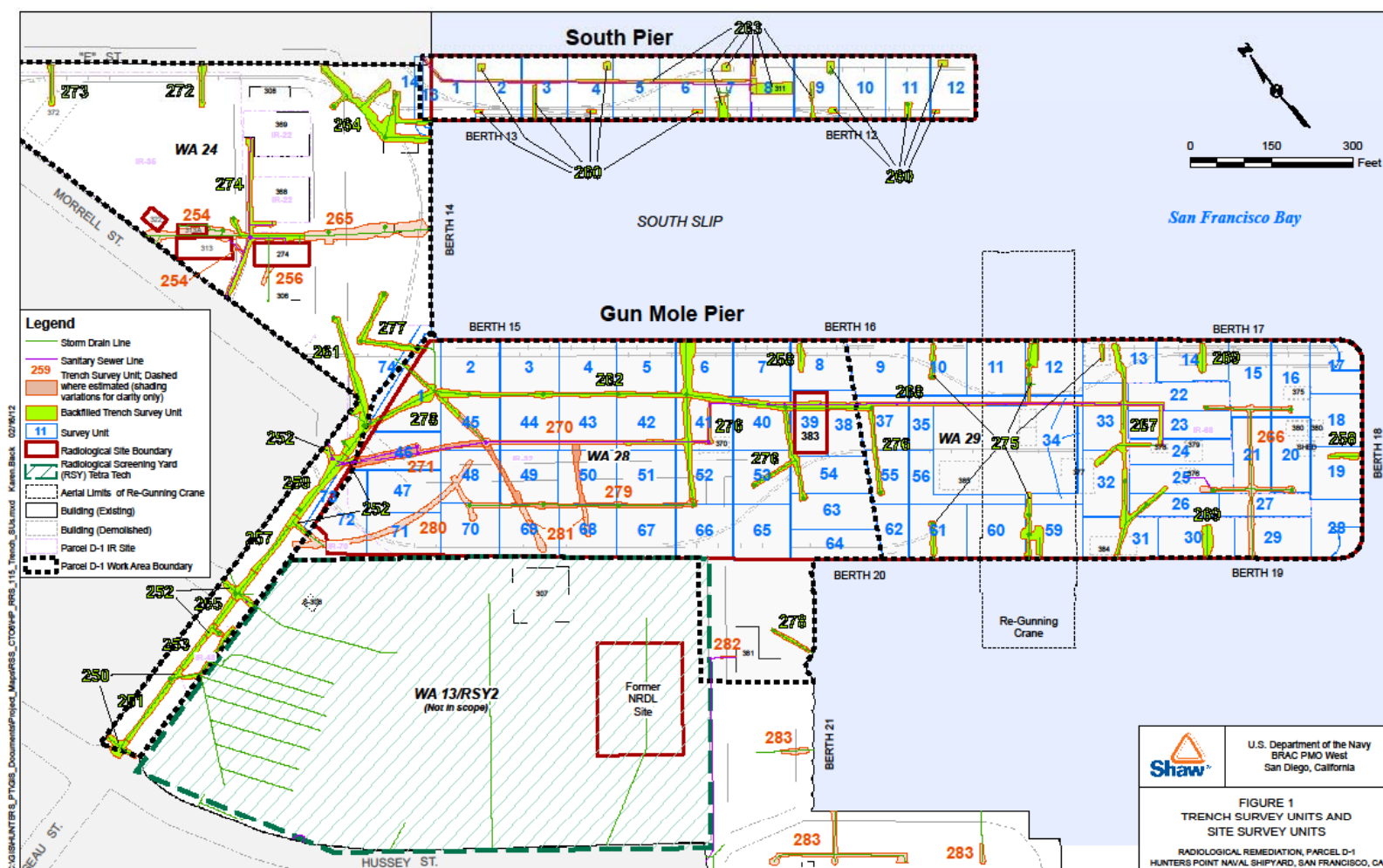
# Status of Radiological RACRs



- Final **Parcel B** Rad RACR issued March 2012
  - Received Building 140 Technical Memorandum (Infrastructure) free release letter
  - Awaiting free release letters from regulatory agencies
- Final **Parcel UC-3** Rad RACR issued March 2012
  - Awaiting free release letter from EPA, CDPH
- Final **Parcel G** Rad RACR issued December 2011
  - Awaiting free release letter from CDPH
- Final **Parcel D-2** Rad RACR (Rev.2)
  - Free Released
- Final **Parcel UC-1&2** Rad RACR
  - Free Released



# Parcel D-1 Overview





## IR 7/18 Modeling Update



- BRAC to work with CDPH's Jeff Wong to identify specific sections requiring revision.
  - Meeting scheduled for April 2, 2012



Comments, Questions, Concerns ???